

GENERAL EDUCATION REQUIREMENTS/PREREQUISITES (IUPUI Course Numbers)

1. WRITTEN COMMUNICATION – TWO COURSES

Dept	Course	Title	Credit Hours
ENG-W	131	Elementary Composition I	3.0
ENG-W	132	Elementary Composition II OR	3.0
ENG-W	231	Professional Writing Skills	

2. VERBAL COMMUNICATION – ONE COURSE

Dept	Course	Title	Credit Hours
COMM-R	110	Fundamentals of Speech Communication OR	3.0
COMM-C	180	Introduction to Interpersonal Communication	

3. HUMANITIES – ONE COURSE (3.0 CR HRS)

Dept	Course	Title	Credit Hours
	One Elective		3.0
APPROVED SUBJECT AREAS INCLUDE: Classical studies, literature, English, film studies, folklore, foreign language, history, journalism, philosophy, religion, speech communication (<i>additional course</i>), minority studies, visual and performing arts. Other areas can be taken with approval of the program’s admissions committee.			

4. COLLEGE-LEVEL MATHEMATICS – ONE COURSE

Dept	Course	Title	Credit Hours
MATH	15300	Algebra and Trigonometry I (P: 11100 with a min. grade of C or two years of high school algebra) OR	3.0
MATH-M	118	Finite Math (P: 11100 or 11000 with a minimum grade of B or placement) OR	3.0
MATH-M	119	Brief Survey of Calculus (P: 11100 or 11000 with a minimum grade of C- or equivalent)	3.0

5. SOCIAL-BEHAVIORAL SCIENCES – TWO COURSES, Minimum of 6.0 credit hours

Dept/Course	Title	Credit Hours
First Elective	Choose courses from PSY-B, SOC-R , or ANTH-A. Courses from other approved departments may be taken upon request.	3.0
Second Elective		3.0

ADMISSIONS TIPS

The Cytotechnology Program’s Admissions Committee calculates a biology course GPA for each applicant. Grades in the biological sciences are a very important factor in determining where an applicant will rank against the overall applicant pool in any given year.

BACHELOR OF SCIENCE IN CYTOTECHNOLOGY (CONTINUED)

6. BASIC LIFE/PHYSICAL SCIENCES – TWO CONTENT AREAS

***BIOLOGICAL SCIENCES – Minimum of 25.0 credit hours to include the following courses:**

Dept	Course	Title	Credit Hours
I. Introduction to Biology – Chose <u>One</u> Sequence			
BIOL-K	101	Concepts of Biology I AND (<i>Recommended</i>)	4.0-10.0
BIOL-K	103	Concepts of Biology II (P: K101) OR	
BIOL-N	107	Exploring the World of Animals	
II. Human Anatomy & Human Physiology – Chose <u>One</u> Sequence			
BIOL-N	261	Human Anatomy AND	8.0-10.0
BIOL-N	217	Human Physiology OR	
BIOL-N	212/213	Human Biology & Human Biology Laboratory AND	
BIOL-N	214/215	Human Biology (P: BIOL-N 212) & Human Biology Laboratory	
III. Upper Level Biology – Choose At Least <u>Three</u> Courses; Must have 25.0 total hours in Biological Sciences. (<i>Other upper level courses can be taken with program approval</i>)			
BIOL-N	251	Introduction to Microbiology OR (P: one semester general chemistry or one semester life science)	3.0-4.0
MICR-J	210	Microbiology and Immunology (P: N261, C101 & C110, and N217)	
BIOL-K	356	Microbiology (P: BIOL-K 103, CHEM-C 341)	
BIOL-K	331	Embryology (P: K 101)	3.0-4.0
BIOL-K	333	Embryology Laboratory (P or C: K 331) (OPTIONAL)	
BIOL-N	322	Introductory Principles of Genetics OR (P: N107 or K101)	3.0
BIOL-K	322	Genetics and Molecular Biology (P: K103 and CHEM C106)	
BIOL-K	324	Cell Biology (P: K103 and CHEM-C 106)	3.0-5.0
BIOL-K	325	Cell Biology Laboratory (P or C: K 324) (OPTIONAL)	
BIOL-K	338	Introductory Immunology (P: K 103 and CHEM-C 106)	3.0

Limitations of Course Work - Biology credits earned more than seven years before application must be updated by taking 3 additional credit hours related to cell biology within a period of time not to exceed 12 months before admission. Remedial courses will not fulfill prerequisite hours.

CHEMISTRY (Option One) – Minimum of 10.0 credit hours to include the following courses:

Dept	Course	Title	Credit Hours
NOTE: The Cytotechnology Program will accept two different first year chemistry course tracks. The below track would be recommended for those on a pre-professional track or those who might also consider the School's CLS Program. The second option approved by the program's admissions committee is listed on the following page.			
CHEM-C	105	Principles of Chemistry I (P: two years of high school algebra and one year of high school chemistry; usually taken concurrently with C 125)	3.0
CHEM-C	125	Experimental Chemistry I (P or C: C105 or equivalent)	2.0
CHEM-C	106	Principles of Chemistry II (P: C 105 or equivalent; usually taken concurrently with C 126)	3.0
CHEM-C	126	Experimental Chemistry II (P: C105/125 C: C 106 or equivalent)	2.0

ADMISSIONS TIPS

The Cytotechnology Program's Admissions Committee looks at both cumulative GPA and biology course GPA as part of the selection criteria. However, they put almost an equal amount of weight on the personal interview. Students should be well prepared for this portion of the application process.

BACHELOR OF SCIENCE IN CYTOTECHNOLOGY (CONTINUED)

CHEMISTRY (Option Two) – Minimum of 10.0 credit hours to include the following courses:				
	CHEM-C	101	Elementary Chemistry I (P: at least one semester of high school algebra. Usually taken concurrently with C121.)	3.0
	CHEM-C	121	Elementary Chemistry Laboratory I (P or C: C 101)	2.0
	CHEM-C	110	The Chemistry of Life	3.0
	CHEM-C	115	Lab for the Chemistry of Life	2.0
TOTAL CREDIT HOURS NEEDED FOR PROGRAM ENTRY				90.0

SUGGESTED ELECTIVES –Art Appreciation, Medical Terminology, Statistics, Computer Science/Technology, Supervision (OLS), Medical Microbiology, Biochemistry, Endocrinology, Parasitology, Virology, Cytogenetics, Organic Chemistry, Physics, and Mathematics.

SUGGESTED PLAN OF STUDY – Each program provides a suggested plan of study in their section of the IUPUI Campus Bulletin. For the more recent version, visit <http://bulletin.iupui.edu>. Plans of study may vary by student based on the placement test scores, date major was declared, or other factors. Students should work with their academic advisor to ensure that they taking courses in the appropriate sequence and to finish all required program courses by program entry.

IMPORTANT ADMISSIONS CRITERIA & ADDITIONAL INFORMATION - For a complete list, see the School of Medicine Health Professions Programs section of the IUPUI Bulletin. Completion of requirements does not guarantee admission into the program. Competitive grade point averages are generally higher than the stated minimums.

- Credit hours needed prior to entrance.....90 credits
- Minimum Grade Point Averages neededCumulative 2.50; All Biology 2.50
- Minimum grade needed in prerequisite course.....C (2.00)
- Interview requiredYes
- Application Deadline.....December 1 – Year Prior to Entry

FOR MORE INFORMATION - For advising assistance visit us online at <http://medicine.iu.edu/hpp/> or contact the School’s Administrative Office at (317) 278-4752 or askhpp@iupui.edu.

NOTE: Enrollment at Indiana University does not guarantee admission to any of the IU School of Medicine Health Professions Programs. To be eligible for admission to one of these programs, students must adhere to the academic regulations of the academic unit in which they are enrolled and meet School and individual program preadmission requirements as stipulated in the general education and program sections of the most recent bulletin. Admission to many programs is competitive; therefore, completion of the prerequisites and meeting the minimum grade point averages does not guarantee admission to the program. To be considered for admission, students must complete an application in the year prior to entry by the program's stated application deadline.

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